CONTENTS Volume 55 No. 1 1998–1999

Volume 55 No. 1

In vitro recurrent selection of potato: production and characterization of salt tolerant cell lines and plants
S.J. Ochatt, P.L. Marconi, S. Radice, P.A. Arnozis, O.H. Caso **1–8**

Culture-induced changes in osmolality of tobacco cell suspensions using four exogenous sugars
H.Q. Tian, S.D. Russell **9–13**

In vitro culture of Safflower L. cv. Bhima: initiation, growth optimization and organogenesis
T.D. Nikam, M.G. Shitole **15–22**

Somatic embryogenesis in pearl millet (_Pennisetum glaucum_): Strategies to reduce genotype limitation and to maintain long-term totipotency
P. Lambé, H.S.N. Mutambel, R. Deltour, M. Dinant **23–29**

Factors affecting the transformation of 'Marshall McIntosh' apple by _Agrobacterium tumefaciens_
J.P. Bolar, S.K. Brown, J.L. Norelli, H.S. Aldwinckle **31–38**

Recovery of cassava (_Manihot esculenta_ Crantz) plants from culture of immature zygotic embryos
M. Fregene, J.A. Ospina, W. Roca **39–43**

Research notes

Susceptibility of _Paulownia elongata_ to _Agrobacterium_ and production of transgenic calli and hairy roots by _in vitro_ inoculation
B.A. Bergmann, X. Lin, R. Whetten **45–51**

Enhanced salidroside production in liquid-cultivated compact callus aggregates of _Rhodiola sachalinensis_: manipulation of plant growth regulators and sucrose
J.F. Xu, P.Q. Ying, A.M. Han, Z.G. Su **53–58**

Production of hybrid cells from single protoplasts of sunflower hypocotyl and broad bean guard cells by electrical fusion
H. Schnabl, T.L. Mahaworasilpa, H.G.L. Coster, A. von Keller **59–62**

Callus production from protoplasts of _Cyclamen persicum_
E.R. Morgan **63–65**

CMS due to tapetal failure in cybrids between _Nicotiana tabacum_ and _Petunia hybrida_
A. Dragoeva, I. Atanassov, A. Atanassov **67–70**

Production and cryoconservation of embryogenic cultures of mandarin and mandarin hybrids
R.M. Pérez, O. Mas, L. Navarro, N. Duran-Vila **71–74**

Regeneration of plantlets from cotyledon and embryonal axis explants of *Vigna mungo* L. Hepper
S. Ignacimuthu, G. Franklin **75–78**

Volume 55 No. 2

***In vitro* regeneration from leaf explants of *Neoregelia cruenta* (R. Graham) L.B. Smith, an endemic bromeliad from Eastern Brazil**
L.A. Carneiro, R.F.G. Araújo, G.J.M. Brito, M.H.P.B. Fonseca, A. Costa, O.J. Crocomo, E. Mansur **79–83**

Low activity of amine-oxidases and accumulation of conjugated polyamines in disfavour of organogenic programs in Chrysanthemum leaf disc explants
M. Aribaud, C. Kevers, J. Martin-Tanguy, T. Gaspar **85–94**

Somatic embryogenesis and plant regeneration from immature zygotic embryos of Japanese larch (*Larix leptolepis*)
Y.W. Kim, Y. Youn, E.R. Noh, J.C. Kim **95–101**

Simultaneous effect of calcium, magnesium, copper and cobalt ions on sapogenin steroids content in callus cultures of *Agave amaniensis*
V. Sri Andrijany, G. Indrayanto, L. Adi Soehono **103–108**

Induction and development of somatic embryos from spinach (*Spinacia oleracea*) leaf segments
S. Zdravković-Korać, M. Neškovič **109–114**

Microtuber formation in micropropagated Jerusalem artichoke (*Helianthus tuberosus*)
K.Z. Gamburg, E.F. Vysotskaya, L.V. Gamanets **115–118**

Pigment recovery from encapsulated-dehydrated *Vaccinium pahalae* (ohelo) cryopreserved cells
R.A. Shibli, M.A.L. Smith, M.A. Shatnawi **119–123**

An *in vitro* model for the study of hydroponic forcing in chicory (*Cichorium intybus*)
N. Van Stallen, M.A.C. Demeulemeester, M.P. De Proft **125–131**

Photosynthetic characteristics of coffee (*Coffea arabusta*) plantlets *in vitro* in response to different CO_2 concentrations and light intensities
Q.T. Nguyen, T. Kozai, G. Niu, U. Van Nguyen **133–139**

Research notes

Natural light as an alternative light source for the *in vitro* culture of banana (*Musa acuminata* cv. 'Grande Naine')
A. Kodym, F.J. Zapata-Arias **141–145**

Establishment and *in vitro* regeneration studies of the potential oil crop species *Camelina sativa*
A. Tattersall, S. Millam **147–149**

Plant regeneration from embryogenic cells-derived protoplasts of *Bupleurum falcatum*
J.W. Bang, D.S. In, S.H. Chung, J.R. Liu **151–154**

Plant regeneration from mesophyll protoplasts in *Isatis indigotica*
Q. Hu, S.B. Andersen, L.N. Hansen **155–157**

Volume 55 No. 3

Influence of anther pretreatment and culture medium composition on the production of barley doubled haploids from model and low responding cultivars
L. Cistué, A. Ramos, A.M. Castillo **159–166**

In vitro* development of early proembryos and plant regeneration via microculture in *Oryza sativa
J. Zhao, C. Zhou, H.-Y. Yang **167–174**

Induction of a virulence response in *Agrobacterium tumefaciens* by exudates of *Pinus pinea* cotyledons
J.M. Humara, M. López, R.J. Ordás **175–181**

Separation and characterization of proteins in rice (*Oryza sativa*) suspension cultured cells
S. Komatsu, R. Rakwal, Z. Li **183–192**

Plant regeneration and transient GUS expression in a range of lavandin (*Lavandula* x *intermedia* Emeric ex Loiseleur) cultivars
S. Dronne, M. Colson, S. Moja, O. Faure **193–198**

Improvement of somatic embryogenesis in wild cherry (*Prunus avium*). Effect of maltose and ABA supplements
L. Reidiboym-Talleux, F. Diemer, M. Sourdioux, K. Chapelain, G. Grenier-De March **199–209**

An efficient *in vitro* regeneration protocol for *Tagetes minuta*
M.A-H. Mohamed, P.J.C. Harris, J. Henderson **211–215**

Plant regeneration from cultured protoplasts of *Moricandia nitens*
Z. Tian, J. Meng **217–221**

Research notes

Rapid vegetative multiplication in *Colocasia esculenta* (L) Schott (taro)
H. Chand, M.N. Pearson, P.H. Lovell **223–226**

***In vitro* culture of coffee zygotic embryos for germplasm preservation**
M. Madhava Naidu, H.L. Sreenath **227–230**

A protocol for micropropagation of *Alpinia galanga*
M. Borthakur, J. Hazarika, R.S. Singh **231–233**

Effects of encapsulation on *Citrus reticulata* Blanco somatic embryo conversion
G.M. Antonietta, P. Emanuele, S. Alvaro **235–237**

Instructions to authors **239–241**

Author index **242**

Contents Volume 55 **243–245**